

SNIGUROWICZ, Jaroslaw; CZARNOBIELSKA, Wiktoria; JAGODA, Bonifacy; ZIEMSKI, Jan; ZUPANSKA, Barbara.

The haptoglobin level in burns. Pol. tyg. lek. 19 no.39:1476-1479  
28 S '64

1. Z Kliniki Hematologii Studium Doskonalenia Lekarzy Akademii Medycznej w Warszawie i Kliniki Hematologicznej Instytutu Hematologii w Warszawie (Kierownik: prof. dr.med. W. Jawkiewicz) oraz z Kliniki Chirurgicznej Instytutu Hematologii (Kierownik Kliniki: doc. dr. med. A. Trojanowski [deceased]).

SZMIGIELSKI, Stanislaw; LIPIŃ, Joanna; ZUPANSKA, Barbara; KROLIKOWSKA,  
Irena

Histochemical studies on bone marrow and blood cells. Postępy  
hig. med. dosw. 19 no.1:1-76 Ja-F'65.

1. Z Kliniki Hematologicznej Instytutu Hematologii w Warszawie  
(Kierownik: prof. dr. W. Ławkowski).

CZARNOBIELSKA, Wiktoria; JAGODA, Bonifacy; SNIGUROWICZ, Jaroslaw; ZIEMSKI,  
Jan; ZUPANSKA, Barbara

Anemia in burn sickness. Pol. tyg. lek. 19 no. 45:1718-1720  
N 9'64

1. Z Kliniki Chirurgicznej Instytutu Hematologii w Warszawie  
(Kierownik: doc. dr. med. A. Trojanowski [deceased]) i z Kliniki  
Hematologii Instytutu Hematologii oraz Kliniki Hematologii  
Studium Doskonalenia Lekarzy (Kierownik: prof. dr. med.  
W. Lawkowska).

LITWIN, Joanna; SZMIGIELSKI, Stanislaw; ZUPANSKA, Barbara

Histochemical studies of the activity of nonspecific esterases  
in blood and bone marrow cells. Pol. arch. med. wewnet. 35 no.5:  
647-652 '65.

1. Z Kliniki Hematologicznej Instytutu Hematologii w Warszawie  
i z Katedry Hematologii Studium Doskonalenia Lekarzy w Warszawie  
(Kierownik: prof. dr. med. W. Lawkowicz).

KROLIKOWSKA, Irena; ZUPANSKA, Barbara

Distribution of ABOgroups in some hematological diseases. Pol.  
tyg. lek. 19 no.5:168-171 30 Ja '64.

1. Z Katedry Hematologii Stadium Doskonalenia Lekarzy Akademii  
Medycznej w Warszawie i z Kliniki Hematologii Instytutu Hematologii  
w Warszawie (kierownik: prof. dr med. Włodzimierz Lawkowicz).

SEYFRIEDOWA, Halina; WALEWSKA, Irena; ZUPANSKA, Barbara

Anti-Kidd (Jk<sup>a</sup>) antibodies in chronic lymphatic leukemia with hypogammaglobulinemia. Arch. Immun. ther. exp. 13 no.2:133-141 '65

1. Department of Serology, Hematological Clinic and Internal Diseases Department, Institute of Hematology, Warsaw.

ZUPAROVA, N.

Approximate method for constructing conformal mappings for  
simply-connected regions. Vop. vysh. mat. i tekhn. no.13  
3-10 '64. (MIRA 18:8)

ZUPEC, F.

The construction of forestry roads. p. 175.

PUT I SAOBRAĆAJ. (Društvo za puteve Srbije)  
Beograd, Yugoslavia. Vol. 4, no. 7/10, July/Oct. 1958.

Monthly List of East European Accessions (EEAI) 1C, Vol. 8, no. 8, Aug. 1959.

Uncl.



RIVKIN, S.L., kand.tekhn.nauk; ZUPERMAN, D.A., inzh.

Magnetohydrodynamic method of direct conversion of heat energy  
into electric power. Energetik 10 no.10:1-6 0 '62. (MIRA 15:12)  
(Direct energy conversion)

ZUPIC,Stanislav

Treatment of catatonic stupor by means of medical eurythmia.  
Neuropsihijatrija 7 no.4:265-273 '59.

1. Iz Bolnice za zivcane i dusevne bolesti Vrapco-Zagreb.  
(Ravnatelj: dr. J. Glaser)  
(CATATONIA ther.)

~~ZUPKA, Frantisek~~  
ZUPKA, Frantisek (Zupka, Frantisek).

Militant traditions. Sov.profsojvzy 5 no.6:81-83 Ag '57.  
(MLRA 10:8)

1.Predsdatel' TSentral'nogo Soveta profsoyuzov Chexhoslovakii.  
(Trade unions)

ZUPKA, Frantisek

Current tasks of Czechoslovakia's trade unions, Munka 10 no.3:  
32-33 Mr '60.

1. Csehszlovak Szakszervezetek Kozponti Tanacsanak elnoke.

ZUPKA, F. [Zupka, František]

Historic task of the Czechoslovak trade unions. Vsem.prof.  
dvizh. no.3:9-12 Mr '59. (MIRA 12:5)

1. Predsedatel' TSentral'nogo Soveta profsoyuzov Chexoslovaki,  
vitsepredsedatel' Vsemirnoy federatsii profsoyuzov.  
(Czechoslovakia--Trade unions)

ZUPKA, Frantisek [Zupka, František]

Inexhaustible source of our strength. Sov. profsoiuz 16 no. 7:  
33-35 Ap '60. (MIRA 13:4)

1. Predsedatel' Tsentral'nogo soveta profsoyuzov Chexoslovakii.  
(Czechoslovakia--Trade unions)  
(Lenin, Vladimir Il'ich, 1870-1924)

ZUPKA, Frantisek [Zupka, Frantisek].

In the fight for improved conditions for workers. Sov. profsoyuzy  
5 no.1:82-86 Ja '57. (MLBA 10:2)

1. Predsedatel' Tsentral'nogo soveta profsoyuzov Chekhoslovaki.  
(Czechoslovakia--Trade unions)

ZUPANSKI, A.; ECKSTEIN, Z.

"N-methyl-N'-acetylurea", p. 559, (PRZEMYSŁ CHEMICZNY, Vol. 10, No. 11,  
Nov. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5,  
May 1955, Uncl.



ZUPIC, S.

~~Problem of rehabilitation of mental deficiency and mental disorders.~~ Neuropsihijatrija 2 no.4:240-247 1954.

1. Iz Bolnice za zivcane i dusevne bolesti Vrapce-Zagreb.

(MENTAL DEFICIENCY,  
rehabil., value of work.(Ser))  
(MENTAL DISORDERS,  
same.)

(REHABILITATION,  
of ment. deficiency & ment. disord., value of work. (Ser))  
(WORK, in various dis.  
ment. disord. & ment. deficiency, value in rehabil. (Ser))

ZUPIC, S.

Dr. Ivan Herzog. Neuropsihiatrija 3 no.1:1-5 1955.  
(OBITUARIES,  
Herzog, Ivan (Ser))

CZECHOSLOVAKIA  
11 Oct 63

ZUPKA, Frantisek

Chairman, Central Trade Union Council, bade farewell  
to the Yugoslav trade union delegation, Prague,  
11 October.

Prace, Prague, 12 Oct 63, p 1.

(1)

ZUPKA, Frantisek[Zupka, Frantisek]

~~Trade unions of Czechoslovakia~~ prepare for their congress.  
Vsem. prof. dvizh. no.5:31-33 My '63. (MIRA 16:6)

1. Predsedatel' Tsentral'nogo soveta chekhoslovatskikh  
profsoyuzov.  
(Czechoslovakia—Trade unions—Congresses)

ZUPKA, Frantisek [Zupka, Frantisek]

~~Remove the danger of atomic war by joint action.~~ Vsem. prof. dvizh.  
(MIRA 11:?)  
no. 6:8-9 Je '58.

1. Predsedatel' Tsentral'nogo soveta profsoyuzov Chexoslovakii.  
(World politics)

ZUPKA, Frantisek [Zupka, Francisek]

Improve methods in trade-union work. Vsem.prof.dvish. no.3:33-35  
Mr '57. (MIRA 10:5)

1.Predsedatel' Tsentral'nogo soveta profsoyuzov Chekhoslovaki.  
(Czechoslovakia--Trade unions)

ZUPKA, Frantisek

~~Problems that we have to solve. Sov. profsoiuzy~~ 7 no.12:57-60  
Je '59. (MIRA 12:9)

1. Predsedatel' Tsentral'nogo soveta profsoyuzov Chexoslovaki.  
(Czechoslovakia--Trade unions)

ZUPKA, Franciszek.

Czechoslovakian trade unions will continue to strengthen their  
ties with the World Federation of Trade Unions. Vsem.prof.dvish.  
no.10:28-30 O '55. (MLRA 9:1)  
(Czechoslovakia--Trade unions)



ZUPKA, Frantisek

Intrigues of revenge seekers create a threat to the main objectives of the World Federation of Trade Unions. Vsem.prof.dvizh. no.11;9-12 N '60. (MIRA 13:11)

1. Chairman of the Central Council of Czechoslovak Trade Unions, vice-president of the World Federation of Trade Unions. (Czechoslovakia--Trade unions) (Germany, West--Militarism)

ZUPNIK, D.N.

Clinical aspects of fascioliasis in man. Med. paraz. i paraz. bol.  
no. 5:528-530 '61. (MIRA 14:10)

1. Iz kliniki infektsionnykh bolezney Stalinskoy oblastnoy klini-  
cheskoy bol'nitsy imeni Kalinina (glavnyy vrach B.A. Shaporenko,  
zav. klinikoy S.L. Erez).  
(LIVER FLUKE)

ZUPNIK, D.N.

Decontamination of carriers of dysenterial bacteria with furacillin.  
Zhur. mikrobiol. epid. i immun. 32 no.7:132-134, Ju '61. (MIRA 15:5)

1. Iz mediko-sanitarnoy chasti shakhty imeni Lenina Makeyevki.  
(DYSENTERY) (FURACILIN)

ZUPNIK, D.N.

Work of a diagnostic station in a typhoid area. Zhur. mikrobiol.  
epid. i immun. 31 no. 5:118 My '60. (MIRA 13:10)

1. Iz mediko-sanitarnoy chasti shakhty Kholodnaya Balka i  
Stalinskogo meditsinskogo instituta.  
(TYPHOID FEVER)

ZUPNIK, D.N.; MEL'NIKOV, P.P.; VUL'FSON, G.A.

Some characteristics of the blood picture and Widal reaction in  
typhoid ~~fever~~ patients treated and untreated with syntomycin.  
Zdrav. Del. 8 no. 11:46-49 N '62. (MIRA 16:5)

1. Iz Rudnichnoy bol'nitsy g. Makeyevki (glavnyy vrach N.I.  
Shvets).

(TYPHOID FEVER) (BLOOD—ANALYSIS AND CHEMISTRY)  
(MEDICAL TESTS) (ACETAMIDE)

ZUPNIK, D.N. (Donetsk)

State of the cardiovascular system in epidemic and parenteral  
hepatitis. Vrach.delo no.10:121-124 O '62. (MIRA 15:10)

1. Klinika infektsionnykh bolezney (zav. - dotsent S.L.Erez)  
oblastnoy bol'nitsy imeni Kalinina, Donetsk,  
\* (~~HEPATITIS~~, INFECTIOUS) (JAUNDICE) (CARDIOVASCULAR SYSTEM)

ZUPNIK D.N. [Zupnyk, D.N.]; MEL'NIKOV, P.P. [Mel'nykov, P.P.]; VUL'FSON,  
G.A. [Vul'fson, H.A.]

Typhoid fever in parturients. Ped., akush. i gin. 22 no.4:51-52  
'60. (MIRA 14:5)

1. Makiivs'ka rudnichna likarnya (golovniy likar - N.I.Shvets').  
(PREGNANCY, COMPLICATIONS OF) (TYPHOID FEVER)

ZUPNIK, D.N.; MEL'NIKOV, P.P.; VUL'FSON, G.A.

Clinical characteristics of typhoid fever of water origin. Vrach.  
delo no.4:109-111 Ap '61. (MIRA 14:6)

1. Makeyevskaya rudnichnaya bol'nitsa.  
(TYPHOID FEVER)



VUL'FSON, G.A.; MEL'NIKOV, P.P.; ZUPNIK, D.N.

Recurrences of typhoid fever in relation to the type of treatment.  
Vrach. delo no. 1:116-117 '61. (MIRA 14:4)

1. Makeyevskaya rudnichnaya bol'nitsa Stalinskoy oblasti.  
(TYPHOID FEVER)

ZUPNIK, D.N. (Makeyevka)

Cases of brucellosis among residents of cities and working settlements.  
Vrach. delo no. 1:130 '61. (MIRA 14:4)

1. Infektsionnoye otdeleniye (zav. - D.N. Zupnik) mediko-sanitarnoy  
chasti shakhty imeni Lenina.

(BRUCELLOSIS)

ZUPNIK, D.H.; MEL'NIKOV, P.P.

Hemoculture in mill and obliterated forms of typhoid fever. Zhur.  
mikrobiol., epid. i immun. 30 no.12:123 D '59. (MIRA 13:5)

1. Iz mediko-sanitarnoy chasti shakhty "Kholodnaya Balka" g.  
Makseyevki Stalinskogo meditsinskogo instituta.  
(TYPHOID FEVER)

ZUPNIK, D.N.

Widal's reaction in typhoid fever patients treated and not treated  
with synthomycin. Vrach.delo no.10:1095 O '59. (MIRA 13:2)

1. Mediko-sanitarnaya chast' shakhty "Kholodnaya balka."  
(TYPHOID FEVER) (CHLOROMYCETIN)

ZUPNIK, D.N. (Dzerzhinsk, Dnepropetrovskoy obl.)

Peritonitis in bacillary dysentery. Vrach.delo no.1:1315-1316  
D '58. (MIRA 12:3)

1. Infektsionnoye otdeleniye Dzerzhinskoy gorodskoy bol'nitsy.  
(PERITONITIS) (DYSENTERY)

ZUFNIK, J.

"Planning and preparation of the renovations in the brick industry" p. 316  
(MATERIALY BUDOWLANE, vol 7, no. 11, Nov. 1952 Warszawa, Poland)

SO: Monthly List of East European Accessions, Vol. 2, #3, Library of Congress  
August, 1953, Uncl.

ZUPNIK, J.

(MATERIALY BUDOWLANE, Vol. 8, No. 10, Oct. 1953, Warszawa, Poland)

"General rules concerning the operation and exploitation of brickmaking machines."  
p. 282.

SO: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, L.C., Vol. 3, No. 4, APRIL 1954

Planning and preparation in the brick industry



Mechanization of simple processes in brick manufacture  
See: BRONIAW, Jozef. Mechanization of brick manufacture  
- Mechanization of simple processes in brick manufacture  
- Mechanization of simple processes in brick manufacture  
- Mechanization of simple processes in brick manufacture

44302  
S/058/62/000/012/038/048  
A062/A101

247700

AUTHORS: Saftić, B., Varicák, M., Zuppa, M.

TITLE: Effect of monoenergetic 14.2 Mev neutron irradiation on the conductivity of germanium

PERIODICAL: Referativnyy zhurnal, Fizika, no. 12, 1962, 66,  
abstract 12E471 ("Glasnik mat.-fiz. i astron.", 1961,  
16, no. 1 - 2, 121 - 123, English; summary in Serbo-Croatian)

TEXT: The conductivity variations of n-Ge irradiated by a flux of 14.2 Mev neutrons was investigated. The initial conductivity of the specimens was  $0.2837 \text{ ohm}^{-1}\text{-cm}^{-1}$ . In order to reduce the effect of the temperature variations of the surrounding medium, the specimens were placed in a thermostat (temperature  $30 \pm 0.05^\circ\text{C}$ ). The conductivity variation of the specimens after 15 hour-irradiation by a flux of  $5.10^8$  neutron/sec was as low as  $\sim 0.75\%$ . In the specimens which were not placed in the thermostat even that small variation was not noticed. The rate of removal of the carriers was determined as equal to 25 carriers per neutron. A possibility was obtained to detect the dependence previously assumed (RZh Fiz, 1960, no. 9, 23850) of the carrier removal rate on the initial carrier

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S/058/62/000/012/038/048

Effect of monoenergetic 14.2 Mev neutron irradiation.. A062/A101

concentration, and also to determine the energetic levels of the radiation defects caused by the 14.2 Mev V neutron irradiation of Ge.

G. V.

[Abstracter's note: Complete translation]

Card 2/2

URLI, N. (Zagreb); ZUPPA, M. (Zagreb)

Effect of 14 MeV neutron bombardment on disordered regions in  
n-type germanium. *Glas mat fiz Hrv* 17 no.3/4:223-232 '62  
[publ.'63].

1. Institute "Ruder Boskovic", Zagreb.

SAFTIC, B. (Zagreb); VARICAK, M. (Zagreb); ZUPPA, M. (Zagreb)

Effect of monoenergetic 14,2 MeV neutron irradiation on the conductivity of germanium. Glas mat fiz Hrv. 16 no. 1/2:121-123 '61.

1. Faculty of Sciences and Institute "Ruder Boskovic", Zagreb.

ZUPRANSKI, P.  
WOJTOWICZ, S.

Monitor with a scintillating counter, type 58, No. 1. p. 240

NUKLEONIKA. (Polska Akademia Nauk. Komitet do Spraw Pokojowego Wykorzystania  
Energii Jadrowej)  
Warszawa. Vol. 3, no. 2, 1958  
Poland/

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, no. 6, June 1959  
Uncl.

IGLEWSKI, S.; MALUSZYNSKA, K.; NATANSON, L.; TURKIEWICZ, J.; ZUPRANSKI, P.

Further measurements of the angular distribution of fast neutrons elastically scattered on Ca. Acta physica Pol 23 no.6:843-844 Jo '63.

1. Department of Experimental Physics, University, Lodz (for Iglewski, Maluszynska). 2. Institute of Nuclear Research, Polish Academy of Sciences, Swierk by Otwock (for Natanson, Turkiewicz, Zupranski).

Distr: 4E2a(c)/4E3e 2 cys

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Potential scattering of neutrons in the resonance region.  
W. Ratyński, J. Turckiewicz, and P. Zupradski (Univ.  
Warsaw). Bull. Acad. polon. sci., Ser. sci. Math., astron. et  
phys. 7, 627-6(1960)(in English).--Transmission measure-  
ments for Al, Ag, and Bi, are reported. The cross sections  
calcd. from the plots of log transmission vs. sample thick-  
ness were  $1.4 \pm 0.1$ ,  $5.3 \pm 0.4$ , and  $8.9 \pm 0.4$ , resp. The  
plot for Ag showed deviations from linearity for small sample  
thickness. J. Stuchlik

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A062/A101

AUTHORS: Małuszyńska, K., Natanson, L., Turkiewicz, J., Żuprański, P.

TITLE: Angular distribution of fast neutrons elastically scattered on Ca

PERIODICAL: Referativnyy zhurnal, Fizika, no. 8, 1962, 47 - 48, abstract 8B340  
(Bull. Acad. polon. sci. Sér. sci. math., astron. et phys., 1961,  
v.9, no. 8, 621 - 623, English; summary in Russian)

TEXT: Measurements of elastically scattered neutrons were conducted simultaneously at  $30^\circ$ ,  $60^\circ$ ,  $90^\circ$ ,  $120^\circ$ , and  $150^\circ$ . The neutrons were recorded using an Agfa K2 100- $\mu$  photographic emulsion. A Ca specimen 3 cm high and 2 cm in diameter was irradiated by a collimated neutron beam from the BBP-C (VVR-S) reactor. The lower limit of the neutron energy spectrum could not be lower than 1 Mev on account of the background. Angular distribution curves are presented for scattered neutrons in the 1 - 2 and 2 - 3 Mev ranges. Attention is directed onto the forward-backward asymmetry. To explain this circumstance, one has to allow for a direct interaction between neutron and nucleus, besides the scattering process from the composite nucleus. ✓c

[Abstracter's note: Complete translation]

Ye. Koltypin

Card 1/1

MALUSZYNSKA, K.; NATANSON, L.; TURKIEWICZ, J.; ZUPRANSKI, P.

Angular distributions of fast neutrons elastically scattered on Ca.  
Bul Ac Pol Mat 9 no.8:621-623 '61.

1. Department of Experimental Physics, University, Lodz and Institute  
for Nuclear Research, Polish Academy of Sciences. Presented by M. Danyss.

ZUPRUN, L. L.

"Reversion phenonemon in ageing technical iron," Zhur. Tekh. Fiz., 16, No.11, 1946.

ACCESSION NR: AP4008534

P/0031/63/008/004/0373/0386

AUTHOR: Manitijs, Jan; Zur, Andrzej

TITLE: Region of optimum operation for a controlled rectifier during automatic voltage regulation

SOURCE: Archiwum automatyki i telemekhaniki, v. 8, no. 4, 1963, 373-386

TOPIC TAGS: automatic voltage regulation, voltage control system, controlled rectifier, polyphase controlled rectifier, optimization, optimum operation region, static error, rectifier firing angle, relative voltage error, rectifier control angle, phase-shift rectifier control

ABSTRACT: The article deals with the operation of a phase-controlled rectifier with automatic voltage regulation. The closed-loop system analyzed here includes a phase-shift type of firing angle control and a proportional type voltage regulator. The static error is derived first in terms of supply voltage variations, then in terms of reference voltage variations and finally in terms of external disturbances, i.e. load changes. The optimum firing angle is established in regard to minimum voltage error under these quasistatic conditions. This optimum

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ACCESSION NR: AP4008534

lies between  $30^\circ$  and  $45^\circ$  depending on the total gain in the voltage correcting system. Such magnitudes of firing angle are in excess of those considered essential for efficient energy conversion in the rectifier device. It remains therefore, to determine that region of operation within which the power factor is maintained sufficiently high while the system is still capable of being regulated. Mathematical analysis of this criterion leads to following conclusions: 1) the control angle should not be allowed to decrease to below  $10^\circ$  due to maximum load changes that could be expected; 2) a reduced supply voltage results in the narrowing of the permissible range of firing angles; 3) the power factor of the system increases with the correction angle and therefore with the magnitude of the disturbance. The power is minimum at no load and is maximum at maximum load. Orig. art. has: 9 figures, 3 tables and 51 formulas.

ASSOCIATION: Akademia Gorniczo Hutnicza Katedra Elektrotechniki Hutniczej  
(Mining-Metallurg Academy; Department of Electrical Engineering in Metallurgy)

SUBMITTED: 08Feb63  
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MANITIUS, Jan; ZUR, Andrzej

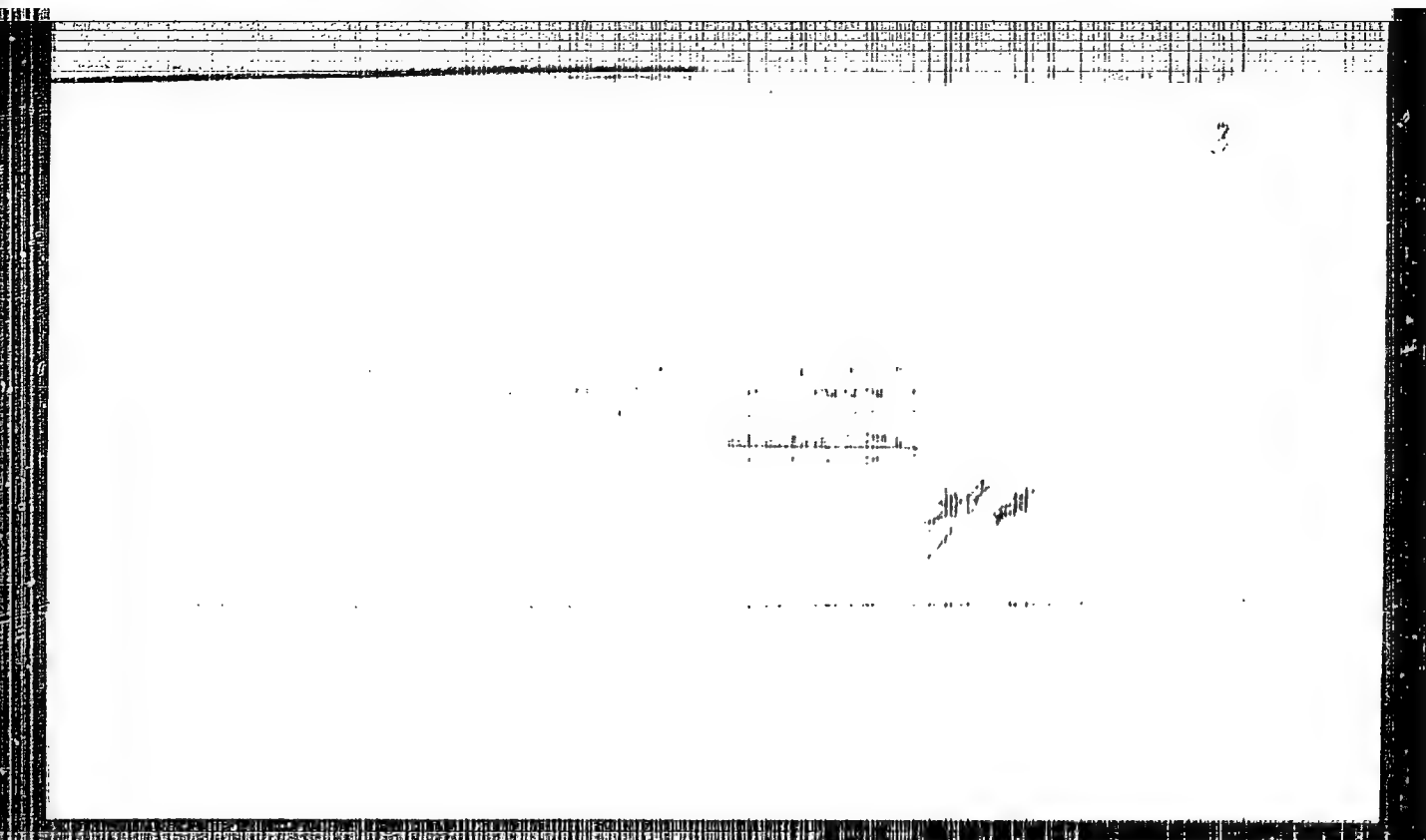
Optimum operation range of a rectifier with automatic voltage control. Archiw automat 8 no. 4: 373-386 '63.

1. Katedra Elektrotechniki Hutniczej, Akademia Gorniczo-Hutnicza, Krakow.

ZUR, Andrzej

Transistor pulse generator and phase shifter of grid voltage pulses for controlled large power rectifiers. Przegl elektrotechn 38 no.9:379-382 '62.

1. Katedra Elektrotechniki Hutniczej, Akademia Gorniczo-Hutnicza, Krakow.





ZUR, Tadeusz, dr inż.

Analysis of level luffing structures; plate girder jibs in level  
luffing jib cranes with rope compensation. Przegl mech 22  
no.2:53 25 J '63.

1. Katedra Budowy Maszyn Dźwigowych i Urządzeń Transportowych,  
Politechnika, Wrocław.

ZUR, Tadeusz, dr. inz.

Capacity selection of belt and dumping conveyers in open-cast  
mines. Przegl gorn 19 no.5:219-221 My '63.

ZUR, Tadeusz, dr inż.

Efficiency of band conveyers with four and five roller idlers.  
Przegl mech 22 no.17:524-528 10 S '63.

1. Dolnoslaskie Biuro Projektow Gorniczych, Wroclaw.

ZUR, Tadeusz, mgr., inż.

Tensioning devices for long conveyor belts. Przegł. gorn 17 no.5:  
285-293 My '61.

ZUR, Tadeusz, mgr., inż.

Double drum drive in heavy duty conveyors. Przegl. gorn 17 no.7/8:  
412-420 J1-Ag '61.

ZUR, Tadeusz. dr inż.

Belt conveyors with elastically underslung running sets. Przegl  
mech 22 no.10:302-308 25 My '63.

1. Główny specjalista Dolskiego Biura Projektów Górniczych,  
Wrocław.

ZURABASHVILI, A. D.

"Problems of Pathophysiology and Pathomorphology in Psychiatry," Vest. Ak. Med.

Nauk SSSR, No. 1, 1948. Prof., Corr. Mem. Acad. Med. Sci. USSR, -c1948-.

ZURAOASHVILI, A.D.

22748. Zuraoashvili, A.D.

K voprosu oo zvoluytsionnoy psikhatpii. Trudy (Tbilis. Gos. Med. In-t), T.V.,  
1948, c. 252-55-na gruz. Yaz. Rezyume na rus. Yaz.

SO: LETOPIS' No. 30, 1949



ZURABASHVILI, A. D.

"Problems of Evolutionary Psychiatry"

Trudy (Tbilis. gos. Med. In-t), t V, 1948, pp 262-269. - In Georgian language. - Resume in Russian.  
(Works of the Tbilisi State Med. Inst.)

1949 Letopis' Zhurnal'nykh Statey No. 30, item 22748

ZURABASHVILI, A. D.

Zurabashvili, A. D. and Cholokashvili, Ye. S. "Question of the morphological and functional reversibility of the nerve elements of the cerebral cortex of the cat (Experimental-morphological and electroencephalographic observations)," Trudy In-ta fiziologii im. Eeritashvili, Vol. VII, 1948, p. 365-89 -- Summary in Georgian -- Bibliog: 20 items

So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 13, 1949)

ZURABASHVILI, A. D.

Zurabashvili, A. D. "Architectonics of the brain and spinal cord of decerebellate dogs," Trudy Fiziol. in-ta im. Pavlova, Vol. III, 1949, p. 101-06 -- Bibliog: p. 106

SO: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 14, 1949).

ZURABASHVILI, A.D.

1191. Brain Lesions in Schizophrenia. (К патологическим изменениям в мозге при шизофрении) А. Д. ЗУРАБАШВИЛИ. Невропатология и Психиатрия [Невропат. Психиат.] 19, No. 1, 26-31, Jan.-Feb., 1950. 5 figs., 6 refs.

Fifteen biopsy specimens obtained at leucotomy in cases of long-standing schizophrenia were studied histologically. All the specimens were of Brodmann's area 8 or the transition zone from area 8 to area 9. Small foci of nerve cell loss or rarefaction were seen in layers II, IIIa, IIIb, and to a lesser extent in IIIc. These foci were not uncommonly surrounded by a zone in which the nerve cells showed degenerative changes, chiefly with oedema. Short of the focal cell loss, described above, there were also milder lesions in the external layer complex, namely, layers IIIa, IIIb, IIIc, and II. The inner layer complex was much less involved. The changes consisted of the wrinkling and sclerosis of nerve cells together with pericellular and peridendritic oedema. The protoplasmic and dendritic processes showed tortuosity, swelling, beading, and fusion of fibrils. Only the dendrites and protoplasmic processes were affected in some of the fields while the cell bodies remained intact, and these dendritic lesions were observed to progress in a retrograde fashion towards the cell body. In places where this occurred the synaptic formations, which were present in normal form and numbers round the intact part of the neurone, were conspicuously lacking round the affected dendrites. Early pericellular oedema was associated with a shift of the synaptic structures away from the cell body. These synaptic structures themselves were coarser and more argentophilic than normal ones.

The author thinks that the primary brunt of the lesions in schizophrenia falls on the axo-dendritic synaptic apparatus. His previous studies of the electroencephalographic changes in schizophrenia had indicated a disturbance of co-ordination between the two hemispheres. Commissural fibres between homonymous

and homotopical fields in the two hemispheres, which run in the corpus callosum, originate and end chiefly in layer III. It is therefore justifiable to conclude that the changes described above form the anatomical substratum for the electroencephalographic disturbances. It is also thought that there is a disturbance in the co-ordinating connexions between the frontal lobe and the anterior nuclei of the thalamus.

*L. Crome*

See also Section Endocrinology, Abstract 1114.

1102. Neuroendocrine Asthenia (Anxiety Neurosis,

Abstracts of World Medicine

Vol 8 1950

Sinapsy i obratimye izmeneniia nervnykh kletok [Synapses and reversibility  
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SO: Monthly List of Russian Accessions, Vol. 6, No. 5, August 1953

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Principles of nervosism and socalled psychosomatic medicine. Nevropat.  
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Neurodynamic analysis of psychopathologic manifestations. Zh.  
vysshei nerv. deiat. 2 no. 3:325-332 May-June 1952. (GLML 23:3)

1. Tbilisi.

- 1, ZURABASHVILI, A.D.
- 2, USSR (600)
4. Nervous System
7. "Synapses and reversible changes in nerve cells." Reviewed by N.I. Grashchenkov.  
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9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

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Theoretical bases of electroshock. Zh. nevropat. psikiat., Moskva  
52 no.3:15-17 Mar 1952. (CML 22:2)

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**Foremost psychiatrist M. M. Asatiani. Zh. nevropat. psikiat.,  
Moskva 52 no.4:72-73 Apr. 1952, (GML 22:2)**

**1. Honored Worker in Science, Professor, Corresponding Member  
AMS USSR for Zurabashvili; Doctor Medical Sciences, Professor  
for Menteshashvili.**

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Zurabashvili, A. D.

Review of A. D. Zurabashvili's book "Synapses and reversible changes in nerve cells."  
Prof. S. A. Sarkisov. Zhur. nevr. i psikh. 52 no. 7, 1952

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deiat. 3 no.3:393-407 My-Je '53. (MLHA 6:9)

(Association of ideas)

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7. Synapses and reversible changes in nerve cells. A. D. Zurabashvili. Reviewed by L. A. Kukoyev, Arkh. anat. gist. i embr. 30, No. 1, 1953.

Reviewer lauds the publication of this book and its criticism of such Western scientists as Sherrington and Herrick. Acc to the reviewer, the book, which is based on a strict materialistic foundation and the teachings of I.P.Pavlov and O. B. Lepishinskaya, leans strongly toward the neuron theory and discusses the pathological morphology of ganglion formations, histological methods, and the author's findings on the presence of synoptic zones in the brain and spinal cord of human beings.

255T20

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| <u>Name</u>         | <u>Title of Work</u>                             | <u>Nominated by</u>   |
|---------------------|--|---|
| Zurabashvili, A. D. | "Synapses and Reversible Changes of Nerve Cells" | Scientific Research<br>Institute of Psychiatry,<br>Ministry of Health<br>Georgian SSR |

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82-86 J1-Ag '56. (MIRA 9:10)

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